



PATENT  
517427-2007.1

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

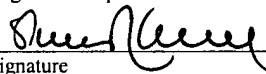
Applicant(s) : Loewy, et al.  
Serial No. : 10/627,561  
For : MACROMOLECULAR PROTECTION ASSAY  
Filed : July 25, 2003  
Examiner : Not yet assigned  
Group Art Unit : Not yet assigned

745 Fifth Avenue,  
New York, NY 10151

I hereby certify that this correspondence is being  
deposited with the United States Postal Service as  
first class mail in an envelope addressed to: Mail Stop Patent Application  
Commissioner for Patents, P.O. Box 1450  
Alexandria, VA 22313-1450

William F. Lawrence, Reg. 28,029

Name of Applicant, Assignee or  
Registered Representative



Signature

November 13, 2003

Date of Signature

**INFORMATION DISCLOSURE STATEMENT**

**Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

Dear Sir:

The Examiner's attention is directed to the enclosed documents listed below and cited on  
the accompanying PTO 1449 form, which is enclosed in duplicate.

1. US 6,004,745, December 21, 1999, Arnold, Jr., et al;
2. US 5,888,795, March 30, 1999, Hamilton;
3. US 5,035,996, July 30, 1991, Hartley;

4. US 6,048,696, April 11, 2000, Hoffman, et al;
5. US 6,190,865 B1, February 20, 2001, Jendrisak, et al;
6. US 5,770,370, June 23, 1998, Kumar;
7. US 6,165,726, December 26, 2000, Iyyalasomayazula;
8. US 6,090,553, July 18, 2000, Matson;
9. US 5,962,225, October 5, 1999, Ramberg;
10. Speck, et al., "From footprint to toeprint: a close-up of the DnaA box, the binding site for the bacterial initiator protein DnaA," *Nucleic Acids Research*, 1997, Vol. 25, pp. 3242-3247;
11. Devchand, et al., "Uracil-DNA glycosylase as a probe for protein-DNA interactions," *Nucleic Acids Research*, July 25, 1993, Vol. 21, No. 15, pp. 3437-43;
12. Devchand, et al., "Analysis of the tet repressor-operator interactions using the uracil-DNA glycosylase footprinting system," *Ann. N.Y. Acad. Sci.*, July 29, 1994, 726:309-11;
13. Pu, et al., "Uracil interference, a rapid and general method for defining protein-DNA interactions involving the 5-methyl group of thymines: the GCN4-DNA complex," *Nucleic Acids Research*, Feb. 25, 1992, 20(4):771-5;
14. Xavier, et al., "RNA as a drug target: methods for biophysical characterization and screening," *Trends Biotechnol.*, Aug. 2000, 18(8):349-56;
15. Leblanc, et al., "DNase I Footprinting," *The Nucleic Acid Protocols Handbook*, pp. 729-735;
16. Taylor, et al., "The Gel Shift Assay for the Analysis of DNA-Protein Interactions," *The Nucleic Acid Protocols Handbook*, pp. 745-756; and


17. Phillippe, J., "The Southwestern Assay," The Nucleic Acid Protocols Handbook, pp. 773-782.

Applicants respectfully request that the Examiner consider and make of record the documents cited herein and that a copy of the Form PTO-1449, initialed by the Examiner be returned to the undersigned.

If there is any fee associated with this procedure, please charge Deposit Account No. 50-0320.

Respectfully submitted,  
FROMMER LAWRENCE & HAUG LLP

By:

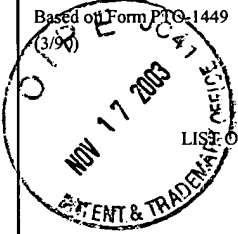


William F. Lawrence

Reg. No. 28,029

Tel. No. (212) 588-0800

Fax. No. (212) 588-0500

Based on Form PTO-1449 (3/96)  LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO.	SERIAL NO.
	517427-2007.1	10/627,561
	APPLICANT	
	L ewy, et al.	
	FILING DATE	GROUP
	July 25, 2003	

## U.S. PATENT DOCUMENTS

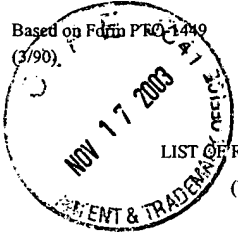
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	6,004,745	12/21/99	Arnold, Jr., et al.			
	AB	5,888,795	03/30/99	Hamilton			
	AC	5,035,996	07/30/91	Hartley			
	AD	6,048,696	04/11/00	Hoffman, et al.			
	AE	6,190,865 B1	02/20/01	Jendrisak, et al			
	AF	5,770,370	06/23/98	Kumar			
	AG	6,165,726	12/26/00	Iyyalasomayazula			
	AH	6,090,553	07/18/00	Matson			
	AI	5,962,225	10/05/99	Ramberg			

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AK		Speck, et al., "From footprint to toeprint: a close-up of the DnaA box, the binding site for the bacterial initiator protein DnaA," Nucleic Acids Research, 1997, Vol. 25, pp. 3242-3247.
	AL		Devchand, et al., "Uracil-DNA glycosylase as a probe for protein-DNA interactions," Nucleic Acids Research, July 25, 1993, Vol. 21, No. 15, pp. 3437-43.
	AM		Devchand, et al., "Analysis of the tet repressor-operator interactions using the uracil-DNA glycosylase footprinting system," Ann. N.Y. Acad. Sci., July 29, 1994, 726:309-11.
	AN		Pu, et al., "Uracil interference, a rapid and general method for defining protein-DNA interactions involving the 5-methyl group of thymines: the GCN4-DNA complex," Nucleic Acids Research, Feb. 25, 1992, 20(4):771-5.
	AO		Xavier, et al., "RNA as a drug target: methods for biophysical characterization and screening," Trends Biotechnol., Aug. 2000, 18(8):349-56.
	AP		Leblanc, et al., "DNase I Footprinting," The Nucleic Acid Protocols Handbook, pp. 729-735.
	AQ		Taylor, et al., "The Gel Shift Assay for the Analysis of DNA-Protein Interactions," The Nucleic Acid Protocols Handbook, pp. 745-756.
	AR		Phillippe, J., "The Southwestern Assay," The Nucleic Acid Protocols Handbook, pp. 773-782

EXAMINER	DATE CONSIDERED
----------	-----------------

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Based on Form PTO-1449 (3/90) 				ATTY. DOCKET NO.  <b>517427-2007.1</b>		SERIAL NO.  <b>10/627,561</b>	
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT  <b>Loewy, et al.</b>			
FILING DATE  <b>July 25, 2003</b>				GROUP			

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	AA	6,004,745	12/21/99	Arnold, Jr., et al.			
	AB	5,888,795	03/30/99	Hamilton			
	AC	5,035,996	07/30/91	Hartley			
	AD	6,048,696	04/11/00	Hoffman, et al.			
	AE	6,190,865 B1	02/20/01	Jendrisak, et al			
	AF	5,770,370	06/23/98	Kumar			
	AG	6,165,726	12/26/00	Iyyalasomayazula			
	AH	6,090,553	07/18/00	Matson			
	AI	5,962,225	10/05/99	Ramberg			

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)			
	AK		Speck, et al., "From footprint to toeprint: a close-up of the DnaA box, the binding site for the bacterial initiator protein DnaA," Nucleic Acids Research, 1997, Vol. 25, pp. 3242-3247.
	AL		Devchand, et al., "Uracil-DNA glycosylase as a probe for protein-DNA interactions," Nucleic Acids Research, July 25, 1993, Vol. 21, No. 15, pp. 3437-43.
	AM		Devchand, et al., "Analysis of the tet repressor-operator interactions using the uracil-DNA glycosylase footprinting system," Ann. N.Y. Acad. Sci., July 29, 1994, 726:309-11.
	AN		Pu, et al., "Uracil interference, a rapid and general method for defining protein-DNA interactions involving the 5-methyl group of thymines: the GCN4-DNA complex," Nucleic Acids Research, Feb. 25, 1992, 20(4):771-5.
	AO		Xavier, et al., "RNA as a drug target: methods for biophysical characterization and screening," Trends Biotechnol., Aug. 2000, 18(8):349-56.
	AP		Leblanc, et al., "DNase I Footprinting," The Nucleic Acid Protocols Handbook, pp. 729-735.
	AQ		Taylor, et al., "The Gel Shift Assay for the Analysis of DNA-Protein Interactions," The Nucleic Acid Protocols Handbook, pp. 745-756.
	AR		Phillippe, J., "The Southwestern Assay," The Nucleic Acid Protocols Handbook, pp. 773-782

EXAMINER	DATE CONSIDERED
----------	-----------------

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.